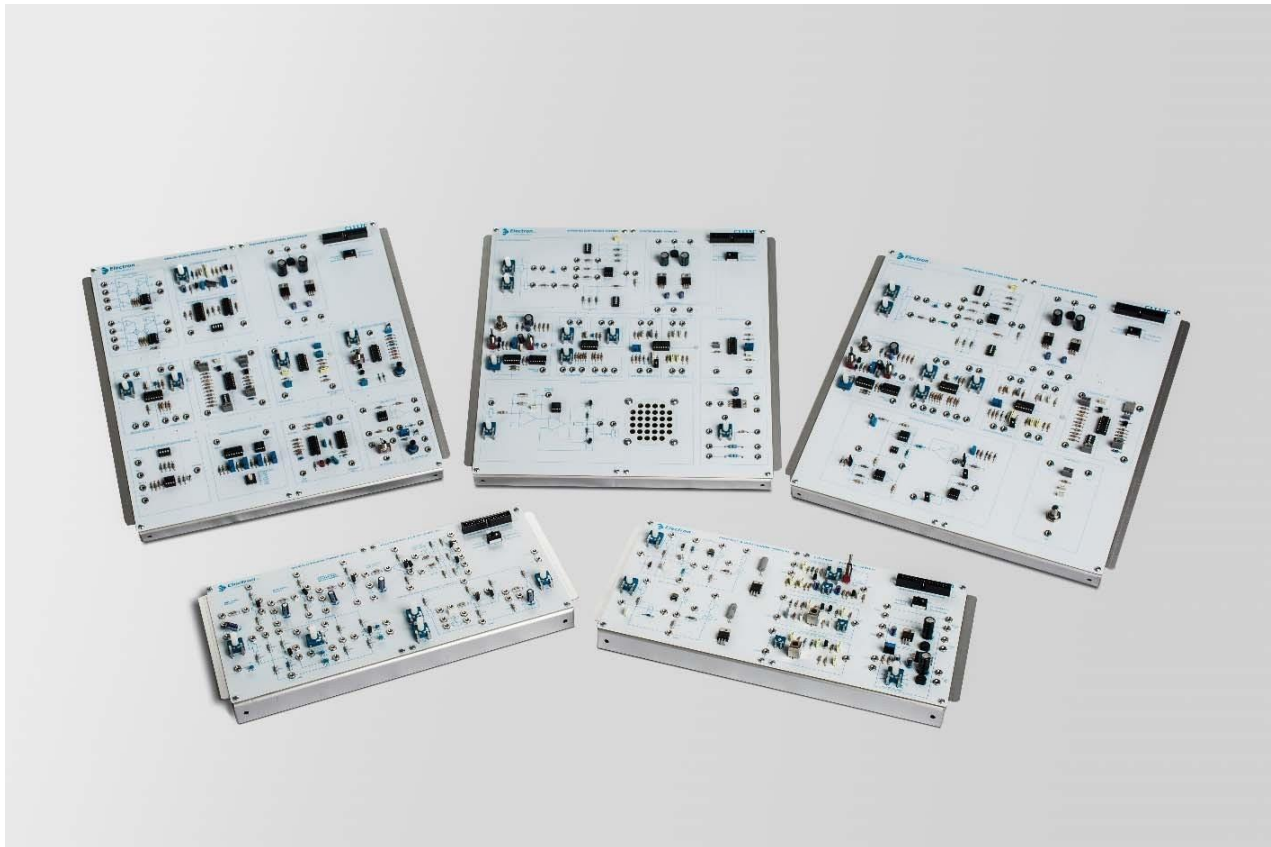




Lab 7 - ANALOGUE AND DIGITAL ELECTRONICS



The laboratory equipment includes various modules to show and experiment circuits and principles commonly recurrent in the field of Basic Electronics up to microelectronics. It is recommended for students attending any subsequent electrical and electronics specialties. The modules generally consist of PCB cards with components in view, especially suitable for individual student work or work in a small group.

FURNITURE, METERS & ACCESSORIES

A general use furniture, meters, power supplies & accessories have been selected as the most appropriate for smooth experiment execution in all laboratories.

TRAINING STATIONS LIST

7.1	FUNDAMENTALS OF ELECTRONICS
7.2	ANALOGUE ELECTRONICS
7.3	DIGITAL ELECTRONICS
7.4	MICROELECTRONICS
7AS	COLLECTION OF LABORATORY POWER SUPPLIES
7AM	COLLECTION OF LABORATORY METERS
7AA	COLLECTION OF LABORATORY ACCESSORIES
7AF	COLLECTION LABORATORY FURNITURE

Equipment List

LAB N°	Item N°	TITLE	CODE	Total Qty	Stud WS 1	Stud WS 2	Stud WS 3	Stud WS 4	Stud WS 5	Stud WS 6	Stud WS 7	Stud WS 8	Teach WS	LAB	
7		ELECTRONICS LABORATORY													
		For 16 to 32 students working at the same time. See complete catalogue to see product description and other details.													
		FUNDAMENTALS OF ELECTRONICS													
7 1		ELECTRONICS FUNDAMENTALS (BASIC CONFIGURATION)											C11FB		
7	1	1	BASIC ELECTRICITY TRAINER	C1105	8	1	1	1	1	1	1	1	1		
7	1	2	ANALOGUE ELECTRONICS TRAINER	B1138 A2	4	1	1			1	1				
7	1	3	DIGITAL ELECTRONICS TRAINER	B1138 D1	4			1	1			1	1		
7 2		ANALOGUE ELECTRONICS BASIC											C11AB		
7	2	1	BASIC ELECTRONICS TRAINER	C1110	4	1	1			1	1				
7	2	2	OPERATIONAL AMPLIFIER TRAINER	C1112	2								2		
7	2	3	FAULT PROGRAMMER	FS1E	1									1	
7	6	4	AC DC POWER SUPPLY	C12 PS	8	1	1	1	1	1	1	1	1		
7 3		DIGITAL ELECTRONICS BASIC											C11DB		
7	3	1	DIGITAL LOGIC TRAINER	C1130	4			1	1			1	1		
7 4		ADVANCED ELECTRONICS											C11VB		
7	4	1	ADVANCED ELECTRONICS TRAINER	C1115	2	1				1					
7	4	2	ANALOG SIGNAL PROCESSING TRAINER (ANALOGUE COMPUTING TRAINER)	C1117	2		1			1					
7	4	3	ANALOG/PULSE AND PULSE/ANALOG CONVERTERS	B1140 CONV	2			1				1			
7	4	4	SEMICONDUCTOR MEMORIES TRAINER	B1140 MEM	2				1				1		
7 5		MICROPROCESSORS & MICROCONTROLLERS											B51		
7	5	1	UNIVERSAL MICROPROCESSOR TRAINER	B5100	2	1				1					
7	5	2	MICROPROCESSOR TRAINER (8-bit)	B5110-8	2	1				1					
7	5	4	MICROCONTROLLER TRAINER	B5116	4			1	1			1	1		
7 7		ELECTRONICS FUNDAMENTALS EXPANSION											C11FU		
7	7	1	BASIC ELECTRICITY TRAINER THREE PHASE	C1105T	1									1	
7	7	2	LABORATORY WORKSTATION FOR ANALOG ELECTRONICS	B1137 A1	4	1	1			1	1				
7	7	3	LABORATORY WORKSTATION FOR DIGITAL ELECTRONICS	B1137 D1	4			1	1			1	1		
7 8		ANALOGUE & DIGITAL ELECTRONICS EXPANSION											C11AU		
7	8	1	BASIC TELECOMMUNICATIONS TROUBLESHOOTING	B4110B	4	1	1			1	1				
7	8	2	POWER SUPPLY TRAINER	C1190	4			1	1			1	1		
7	8	3	SMP3 TRAINER	C1195	4			1	1			1	1		
7	8	4	PC INTERFACE	B1180 WS	2									1	
7	8	5	VIRTUAL INSTRUMENTATION FOR STUDENT WORKSTATION	B1180 VI	2									1	
		FURNITURE, METERS, POWER SUPPLIES & ACCESSORIES													
FM		FURNITURE													
FM	1	1	WORK TABLE	F1110A	8	1	1	1	1	1	1	1	1		
FM	1	2	MOBILE LOWER CABINET	F11 4146	8	1	1	1	1	1	1	1	1		
FM	1	3	STUDENT STOOL	F11 1718	24	3	3	3	3	3	3	3	3		
FM	1	4	TEACHER'S DESK	F11 2126	1									1	
FM	1	5	TEACHER'S CHAIR	F11 5000	1									1	
FM	1	6	CABINET FOR TOOLS & INSTRUMENTS	F11 3310	4									4	
FM	1	7	TROLLEY	F1151 R1	4									4	
		MEASURING INSTRUMENTS & POWER SUPPLIES													
FM	2	1	ANALOGUE MULTIMETER	AM 7080	4									4	
FM	2	2	DIGITAL MULTIMETER	DM Y68	4									4	
FM	2	3	ANALOGUE ELECTRICAL METERS SET	A11 AM	1									1	
FM	2	4	DIGITAL ELECTRIC POWER MEASURING MODULE	A4750D	1									1	
FM	2	5	CABLES SET	A4890	4									4	
FM	2	6	DUAL TRACE OSCILLOSCOPE	AO HZ4318	2									2	
FM	2	7	DIGITAL MEMORY OSCILLOSCOPE	DO UTD 2025CL	2									2	
FM	2	8	FUNCTION GENERATOR WITH FREQUENCY METER	WG SP 1642B	2									2	
FM	2	9	UNIVERSAL POWER SUPPLY	A0245	1									1	
FM	2	11	FREQUENCY COUNTER	FC TCF1000L	2									2	